

# In Aragon, 80 Zentyal servers are deployed within the framework of School 2.0 Program

Aragon is one of the pioneering communities in the implementation of the School 2.0 Program in Spain. Pursuing this goal, the Department of Education, Culture and Sports of the Government of Aragon started an ambitious program based on the renewal of the network infrastructure of the schools, improving their connectivity thanks to Zentyal's solutions.



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## The challenge

One of the main challenges of implementing the School 2.0 Program is the renewal of the network infrastructure of the schools to enable them to provide a safe and proper operation of the assigned computer equipment.

To ensure quality of service in schools, two important issues had to be solved. On the one hand, it was necessary to improve the connectivity of schools to make sure that the classrooms are never left without the Internet access. On the other hand, it was necessary to ensure maximum network security and proper access control to Internet content in a learning environment like a school.

Another equally important issue was the available budget, since generally the costs to evaluate, deploy and maintain a solution that brought an appropriate level of network security and improve the quality of Internet access, was beyond the budget of any school.

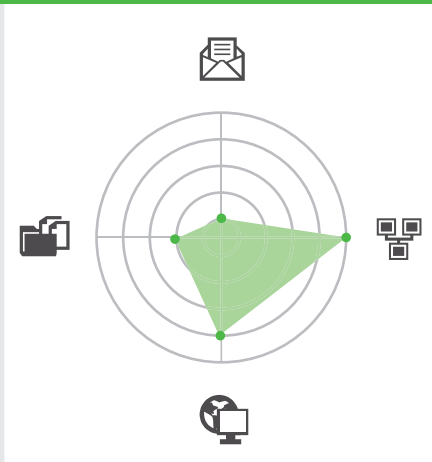
## The solution

To address this challenge, the Department of Education of the Government of Aragon decided to adopt a common solution for all schools with institutional support, choosing the Zentyal server as the technological solution. The main reasons for this choice were that Zentyal was open source software and professional technical support was available, provided by the manufacturer, making the project viable.

On the other hand, the Zentyal server covered all the functionality required by schools: autoconfiguration of the equipment, firewall, content filtering, Internet access optimization via http proxy, traffic shaping and hosting of shared resources and School 2.0 applications. In addition, the server allows balancing of several ADSL lines, improving the browsing experience: a critical factor for an educational system increasingly dependent on the proper functioning of Internet access.

To this day, 80 Zentyal servers have been deployed in Aragonese schools and the deployment of 50 more servers is already planned. Apart from the advantages mentioned before, it is noteworthy that the main advantage of Zentyal lies in how it unifies into a single platform the entire network infrastructure management and security. Thus, it is possible to provide centralized and high quality support to the schools, even with a high level of flexibility to adapt to the specific needs of each school.

## Technical specifications



### Communication server



### Office server



### Network



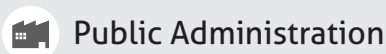
### Gateway & UTM



### Servers in the system



### Sector



### Technical support level



## About School 2.0 Program

Thanks to the Department of Education, Culture and Sports of the Government of Aragon (EducAragón), Aragon is one of the pioneering communities in the implementation of the School 2.0 Program in Spain. The objective of this program, which began in 2009 promoted by the Ministry of Education in partnership with the Autonomous Communities, is to introduce innovative factors in the process of integration and bringing of ICT closer to education.



## About Zentyal

Zentyal designs and develops IT solutions for small and medium businesses since 2004. The company provides SMBs and their local IT providers all-in-one IT solutions that are easy to use, from the server to the cloud. Zentyal-based solutions allow to reduce and rationalize IT investments, improve the security and minimize system downtime.

